

ABSTRACT

A method of making reinforced paperboard cartons comprises the steps of advancing a web of paperboard along a path and progressively laminating at least one ribbon of reinforcing material to the advancing web of paperboard. The ribbon of reinforcing material, which also may be paperboard, has a width less than the width of the web of paperboard and is applied with adhesive at a selected location across the width of the web. The web and its laminated ribbon are cut into sheets of a predetermined size and the sheets are die-cut and scored with fold lines to form carton blanks. The fold lines may transition from non-reinforced to reinforced portions of the blank and a special transition zone is contemplated to accommodate the transition. The carton blanks are subsequently formed into cartons for receiving articles, the laminated reinforcing material providing reinforcement in selected portions of the cartons. Multiple ribbons and multiple layers of ribbons may be laminated to the web in respective selected locations to provide reinforcement in more than one portion of the cartons. Reinforcing ribbons may be deformed or altered to exhibit, for instance, corrugations or perforations prior to being adhered to the base sheet. Reinforced cartons and carton blanks made by the method also are provided.